

IOWA GYRATORY MIX DESIGN (SuperPave) FOR LOCAL AGENCIES

**IMPLEMENTATION BULLETIN #2
October 2000**

This is the second in a series of bulletins to be issued by the Implementation Team. It is the intent of the Implementation Plan to successfully apply Gyratory Mix Design Technology for all future asphalt paving in Iowa. This Implementation Plan will allow local agencies to continue to utilize their existing aggregates under Gyratory Mix Design criteria. Minor adjustments to local mixtures may be necessary; however, it is the intent of the implementation evaluation to NOT have a significant impact on the current local agency asphalt programs. The activities of the Implementation Action Plan continue to move forward and the reevaluation of the plan is still scheduled for December of 2000.

This year's training programs are being upgraded in preparation for the winter 2000-2001 training season. Agency and industry representatives are encouraged to take advantage of the free training sessions that will be held statewide. This training will benefit both engineers and technicians responsible for pavement design, mix design and construction practices. The course includes discussions of asphalt binders, aggregate characteristics, mix design procedures, pavement design criteria, construction practices and classroom exercises. The dates and locations of these training sessions are as follows:

February 1	Ames
February 13	Atlantic
February 21	Sioux City
February 26	Fairfield
March 6	Mason City

To sign up for any of these sessions please contact your District Materials Training Officer or Chris Anderson at the Central Materials Office at (515) 239-1819. For more information on SuperPave training contact Mike Heitzman at the Central Materials Office at (515) 239-1003.

The committee is receiving gyratory test data from 1999 and 2000 Marshall projects from cities and counties. Please refer to SuperPave Bulletin #2 for the data requirements for this mixture evaluation. This evaluation of current mixtures is the key component of the Implementation Plan and is essential for a successful implementation of gyratory technology for low volume routes. A broad representation of mixtures state-wide will ensure implementation of the technology with minimal impact to the local agencies. At this point in time, only a limited number of projects have been received from Districts 3, 4, and 5. We would like to receive more information from local agencies in these Districts so the criteria that is developed will be based on a statewide cross-section of data. If your agency did not have a recent asphalt construction project, mix designs back to 1993 can be evaluated. If you have any questions about this process please contact John Hinrichsen at the Central Materials Office at (515) 239-1601.

Changes to the asphalt specifications, in the transition phase from Marshall Design to Gyratory Design, have been made during the first half of the year 2000. The current specification is Supplemental Specification 97055 which was issued in July 2000. Changes to the specifications, which will allow for greater use of local materials include:

- Changes to the application of the restricted zone.
- Lower target voids for base mixtures.
- Optional Marshall Design criteria for small projects during this transition phase.

This information is available on line. For more information on how to access this specification please go to the County Service Bureau website at iceasb.org or contact the Office of Specifications at (515) 239-1566.

On a related note, it has been proposed that on projects let after July 1, 2001 the state DOT will only provide assistance on asphalt cement concrete projects administered under the QMA program, with the exception of small quantity projects (less than 5000 tons). Local agencies should review their technician's certifications to ensure that they will be able to provide appropriate inspection on QMA projects. Training sessions will be available during the next two winter training periods to provide asphalt technician certifications. We recommend that you enroll your technicians as soon as possible to avoid shortfalls in training availability.

If you desire more information about this Implementation Plan please contact Mike Heitzman at the Central Materials Office at (515) 239-1003.